

Charlie A. Dooley
County Executive

Saint Louis
COUNTY
HIGHWAYS & TRAFFIC
PUBLIC WORKS

Sheryl L. Hodges, D.E., P.E., L.P.G.
Director

July 17, 2012

Ms. Laura Ellen, P.E.
District Design Liaison
Missouri Department of Transportation
St. Louis Metro District
1590 Woodlake Drive
Chesterfield, Missouri 63017-5712

*USE OF THE FOLLOWING ITEM HAS
BEEN FOUND TO BE IN THE
PUBLIC INTEREST AS DEFINED
IN 23 CFR 635.411 (C).*

RE: Public Interest Finding Letter
Patterson Road Right Turn Lane
Federal Project No. CMAQ-5401(651)
St. Louis County Project No. AR-1231
P. S. & E. Submittal

APPROVED:

Kathy Harvey 8-10-12
Kathy Harvey, State Design Engineer

Dear Ms. Ellen:

St. Louis County is requesting FHWA approval to use a Proprietary Specification for the Contech Construction Products "Vortsentry VS40" Hydrodynamic Separator (HDS) Structural Best Management Practice (BMP).

St. Louis County's projects must receive permit approval from the Metropolitan St. Louis Sewer District (MSD) for all improvement projects for compliance with the Federal Clean Water Act, Phase II storm water permit requirements. On this project site, a BMP for the treatment of storm water runoff must be constructed to meet the Phase II permit requirements.

Due to the topography of this project site, right-of-way constraints, and the elevation of the downstream storm sewer system, a structural treatment solution is the only viable method to treat storm water on this project site.

Currently, all structural treatment solutions approved by MSD for Highway Use Level (HUL) or General Use Level (GUL) are proprietary. Further, the approved proprietary structural treatment solutions are not interchangeable. Each product has different performance characteristics, inlet and outlet geometries, invert elevations, and footprints. Due to the distinct differences between these treatment structures, MSD requires that a single solution be chosen and incorporated into the design of the project prior to plan approval. Design-build and performance based specifications for these special structures will not be accepted. MSD will not grant permit approval until plans, shop drawings, and calculations are submitted for the specific structural BMP to be used on a project.